Contribution ID: **17** Type: **not specified**

A finite and computable spinfoam model with cosmological constant

Thursday 9 May 2024 10:50 (40 minutes)

In this talk, I will overview the 4-dimensional Lorentzian spinfoam model with a non-vanishing cosmological constant and discuss its inviting properties, namely (1) that it gives finite spinfoam amplitude for any spinfoam graph, (2) that it is consistent with general relativity with a non-zero cosmological constant at its classical regime and (3) that there exists a feasible, concrete and computable program to calculate physical quantities and quantum corrections with this spinfoam model using stationary phase analysis.

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